

# **EXHIBIT 2**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : HEALEY and DIRESTA  
U.S. Serial No. : 09/890,116  
Confirmation No. : 6037  
Filed : November 20, 2001  
Examiner : Donna A. Jagoe  
Art Unit : 1614  
For : ANTI-RESORPTIVE BONE CEMENTS AND ALLOGENEIC,  
AUTOGRAFIC, AND XENOGRAFIC BONE GRAFTS

Law Offices of Albert Wai-Kit Chan, LLC  
World Plaza, Suite 604  
141-07 20<sup>th</sup> Avenue  
Whitestone, New York 11357

April 15, 2007

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

DECLARATION UNDER 37 C.F.R. §1.132

1. I, John Healey, hereby declare that I am a Physician in Department of Surgery, Orthopaedic Service, at Memorial Sloan-Kettering Cancer Center. Attached is my Curriculum Vitae and Bibliography.
2. I am also an inventor of U.S. Patent Application No. 09/890,116, filed November 20, 2001, and I am familiar with the subject matter of the above-referenced patent application, which is drawn to compositions of anti-resorptive bone cement.
3. In a non-final Office Action mailed February 21, 2006, the Examiner rejected claims 77-117 and 122-125 under 35 U.S.C.

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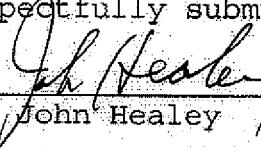
§102(b) as anticipated by or, in the alternative, under 35 U.S.C. §103(a) as being obvious over WO 96/39107 (Merck Co.) and Sabokbar et al. (Ann. Rheum. Dis. 57:618 (1998)). In a Final Office Action mailed March 9, 2007, the Examiner rejected claims 77-115, 117, and 122-125 under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as being unpatentable over WO 96/39107 (Merck Co.) and Sabokbar et al. (Ann. Rheum. Dis. 57:618 (1998)), and further in view of Remington's Pharmaceutical Sciences, 15<sup>th</sup> Edition, 1975, pages 1569-1570.

4. I hereby submit that Sabokbar et al. and Merck Co. do not teach or suggest a bone cement composition wherein an anti-resorptive agent is present in an amount that does not compromise the bone cement's chemical or mechanical properties as claimed herein. As shown in Figure 1 presented herein, the bone cement composition of the present invention (designated as MSKCC) exhibits the same mechanical strength as compared to bone cement without any addition of anti-resorptive agent (designated as Drug Free SIMPLEX™). In contrast, the composition of Merck Co. formulated according to WO 96/39107 (designated as MERCK) has significantly decreased mechanical strength as compared to bone cement that does not contain anti-resorptive agent (comparing MERCK vs Drug Free SIMPLEX™). Hence, the addition of anti-resorptive agent according to WO 96/39107 (Merck Co.) actually compromises the performance of the bone cement.
5. I hereby declare that all statements made of my own knowledge are true and that all statements made on information and

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belief are believed to be true. I acknowledge that making willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. 1001), and may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

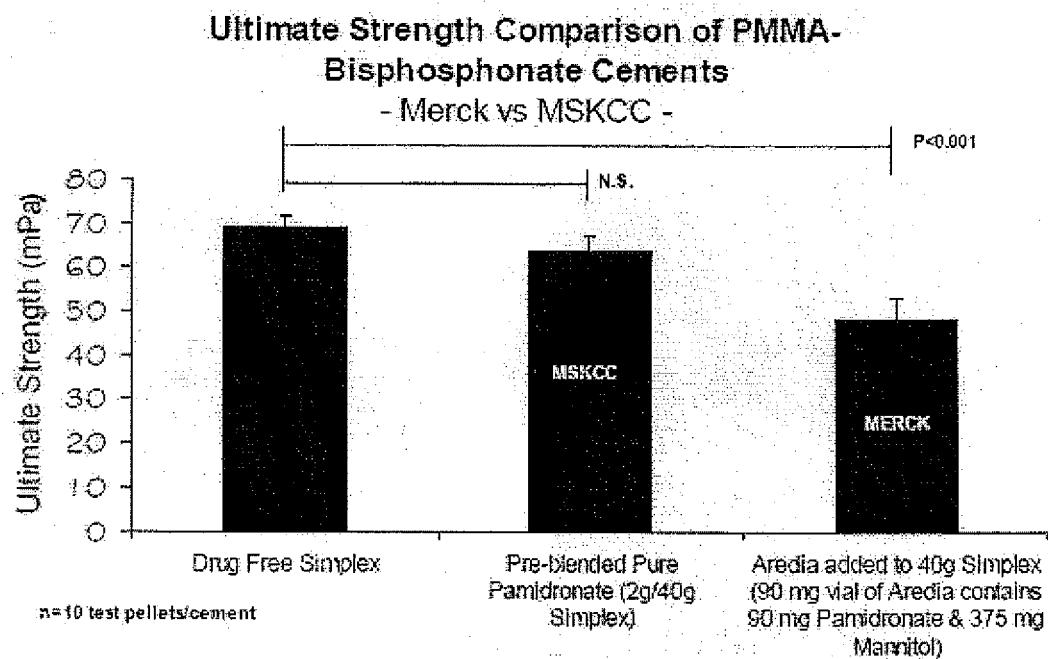
  
\_\_\_\_\_  
Dr. John Healey

4/15/07

Date

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Figure 1



## **CURRICULUM VITAE AND BIBLIOGRAPHY**

Date of preparation: 08/28/2006

### **A. GENERAL INFORMATION**

1. Name: **John H. Healey, M.D.**  
2. Office address: Memorial Sloan Kettering Cancer Center  
1275 York Avenue, New York, NY 10021  
Telephone: 212 639 7610  
Fax: 212 794 4015  
3. Home address: 333 East 68<sup>th</sup> Street, NY, NY 10021  
4. Cell phone: 917 972-9086  
5. Beeper: 1068  
6. Email: [healeyj@mskcc.org](mailto:healeyj@mskcc.org)  
7. Citizenship: US  
8. Optional information:  
a. Date of birth: August 25, 1952  
b. Place of birth: Lowell, Mass  
c. Social Security #: 022 44 0517  
d. Marital status: Married.  
e. Spouse's name: Paula Olsiewski  
f. Children: Georgia O. Healey and Vivian O. Healey  
g. Race/Ethnicity: Caucasian/American  
h. Languages English.  
i. Gender: Male.

### **B. EDUCATIONAL BACKGROUND**

<u>Degree</u>	<u>Institution name and location</u>	<u>Year Graduated</u>
1. MD , Medicine	University of Vermont College Of Medicine, Burlington, VT	1978
2. BS, Biology	Yale University New Haven, CT	1974

### **C. PROFESSIONAL POSITIONS AND EMPLOYMENT**

<u>Title</u>	<u>Institution name and location</u>	<u>Dates held</u>
Surgical Fellow Orthopaedic Surgery	Memorial Sloan- Kettering New York, NY	7/1983 - 7/1984
Research Fellow Orthopaedic Fellow	Hospital for Special Surgery New York, NY	7/1983 – 7/1983
Surgical Resident Orthopaedic Surgery	Hospital for Special Surgery New York, NY	7/1979 – 6/1983
Surgical Resident	New England Medical Center Boston, MA	7/1978 - 6/1979

**2. Academic positions (teaching and research)**

<u>Title</u>	<u>Institution and location</u>	<u>Dates held</u>
Professor of Surgery Orthopaedic Surgery	Weill Medical College of NY, NY	12/2000

**3. Hospital positions**

<u>Title</u>	<u>Institution and location</u>	<u>Dates held</u>
Vice Chairman Surgery for Education	Memorial Sloan-Kettering Cancer Center, NY, NY	2006 – Present
Chief, Orthopaedic Surgery	Memorial Sloan-Kettering Cancer Center, NY, NY	1991- Present
Attending Surgeon, Orthopaedic Surgery	The Hospital for Special Surgery	2000 - Present
Attending Surgeon Orthopaedic Surgery and Pediatric Surgery	Memorial Hospital for Cancer and Allied Diseases NY, NY	1998 - Present
Attending Surgeon, Orthopaedic Surgery	New York Presbyterian Hospital NY, NY	2000 - Present
Associate Scientist, Hospital for Special Surgery Research Division	NY, NY	2000 - Present
Member	Memorial Sloan-Kettering Cancer Center, NY, NY	1998 - Present
Associate Attending Surgeon	Memorial Hospital for Cancer and Allied Diseases	February, 1991
Associate Member	Memorial Sloan-Kettering Cancer Center, NY, NY	July, 1991
Assistant Member	Memorial Sloan-Kettering Cancer Center, NY, NY	February, 1991
Acting Chief Orthopaedic Surgery	Memorial Sloan-Kettering Cancer Center, NY, NY	January, 1991
Associate Attending Surgeon (Orthopaedic)	Hospital for Special Surgery NY, NY	1990
Associate Attending Surgeon (Orthopaedic)	The New York Hospital NY, NY	1990
Associate Professor Surgery (Orthopaedic)	Cornell University Medical College NY, NY	1990
Assistant Attending Orthopaedic Surgery	Memorial Hospital for Cancer and Allied Diseases, NY, NY	1990
Clinical Assistant Surgeon, Pediatric Surgery	Memorial Hospital for Cancer and Allied Diseases, NY, NY	1986
Assistant Professor of Surgery (Orthopaedic)	Cornell University Medical College NY, NY	1984
Assistant Attending Surgery (Orthopaedic)	Hospital for Special Surgery NY, NY	1984.
Assistant Scientist Research Division	Hospital for Special Surgery NY, NY	1984

3. Hospital positions (continued)

<u>Title</u>	<u>Institution and location</u>	<u>Dates held</u>
Assistant Attending Surgeon (Orthopaedic)	The New York Hospital NY, NY	1984
Clinical Assistant Surgeon, Orthopaedic Surgery	Memorial Sloan-Kettering Cancer Center	1984

4. Other Employment

**D. LICENSURE, BOARD CERTIFICATION, MALPRACTICE**

1. a. <u>Licensure:</u> New York State, U.S.	<u>Number</u> # 139017-1	<u>Date of issue</u> 1979	<u>Date last registration</u> 07/31/2008
b. n/a			
c. DEA number:	# AH2622276		
2. <u>Board Certification</u> Orthopaedic Surgery	<u>Full name of board</u> American Board of Orthopaedic Surgery	<u>Certificate #</u> Recertification	<u>Date(s)</u> 7/1986, 7/1996 7/2006 - 2016

3. Malpractice insurance

Do you have Malpractice Insurance? Yes

Name of Provider: **MSK Insurance Ltd.**

Premiums paid by: c. institution (Memorial Sloan-Kettering Cancer Center)

**E. PROFESSIONAL MEMBERSHIPS (medical and scientific societies)**

Member	Name of Organization	Dates held
1. Member	Academic Orthopaedic Society	1990 - 2003
2. Member	Alpha Omega Alpha Medical Honor Society	1978
3. Fellow	American Academy of Orthopaedic Surgeons	1988
4. Member	American College of Surgeons	1988
5. Member	American College of Surgeons Oncology Group	1999
6. Member	American Medical Association	1976
7. Member	American Orthopaedic Association	2003
8. Member	American Society for Bone and Mineral Research	1988
9. Member	Association of Bone and Joint Surgeons	1993
10. Member	Eastern Orthopaedic Association	1989
11. Member	International Skeletal Society	1992
12. Member	International Society of Limb Salvage	1989
13. Member	Musculoskeletal Tumor Society	1986
14. Member	Musculoskeletal Tumor Society Research Committee	2006
15. Member	New York County Medical Society	1984
16. Member	New York State Society of Surgeons	1989

**F. HONORS AND AWARDS**

Alpha Omega Alpha Medical Honor Society  
University of Vermont, 1978

Zimmer Award for Orthopaedic Research  
Orthopaedic Research and Education Foundation, 1985-1987

Clinical Oncology Career Development Award  
American Cancer Society, 1988-1990

Philip D. Wilson, Jr., M.D. Award for Teaching Excellence  
The Hospital for Special Surgery, Weill Medical College of Cornell University,  
1989, 1997, 2004

Kashiwagi-Sumihara Japan - United States Exchange Traveling Fellowship, 1992  
(now called JOA-AOA Traveling Fellowship)

The Korean Bone and Joint Tumor Society – Honorary Member, 2001

Nancy K. Bischoff Award for Resident Mentorship.  
The Hospital for Special Surgery, Weill Medical College of Cornell University,  
2001

Distinguished Academic Achievement Award.  
University of Vermont College of Medicine, 2003

Orthopaedic Research Society Young Investigator Award, 2003 (with Dr. K Kubo)

Best Basic Science Paper, Orthopaedic Research Society Young Investigator Award,  
2004 (with Dr. B. Hoang)

Professor Peking University (Honorary) June 2005

Memorial Sloan-Kettering Cancer Center, Leadership Development Program 2004-5

Al Gordon Humanitarian Award, May 2006  
Asphalt Green Community Center, New York, NY

**G. INSTITUTIONAL/HOSPITAL AFFILIATION**

1. Primary Hospital Affiliation      Memorial Hospital for Cancer and Allied Diseases
2. Other Hospital Affiliations      The Hospital for Special Surgery, New York  
Presbyterian.
3. Other Institutional Affiliations      New York Presbyterian Hospital  
Weill Medical College of Cornell University

**H. EMPLOYMENT STATUS**

1. Current Employer (s)      **Memorial Sloan-Kettering Cancer Center**  
 2. Employment status      Full-time

**I. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND PERCENT EFFORT**

1. Teaching/Mentoring: 10hrs	Core Curriculum in Oncology (1 hr/wk) 2006 –present Oncology Lecture (1 hr/mo.) 1991- present Ortho Service Conference (1.5 hr/wk) 1991-present Surgical Grand Rounds Lecture 2/yr 1991-present (supervise weekly) 2006-present Teaching Walk Rounds (2 hr/week) 1991-present Orthopaedic Tumor Board (1 hr/wk) 1991-present Clinic supervision/teaching (3 hr/wk) 1984-present
2. Clinical care: <b>50 hrs</b>	Outpatient clinic sessions 16 hours/week 1989 - present In-patient rounds 8 hours/week 1984 - present Surgery 20 hours/week 1984 – present Office 6 hours/week 1984 – present
3. Administration: <b>10 hrs</b>	(see committee list below) 1984 – present
4. Research : <b>15 hrs</b>	Orthopaedic Research Laboratory 1998-present
<u>Current percent effort (%)</u>	Does the activity involve WMC Students or researchers? (Y/N)
Teaching/Mentoring 12 %	Y
Clinical Care 58%	Y
Administration 12%	N
Research 18%	Y
TOTAL 100%	

**J. RESEARCH SUPPORT**

1. Title of grant, source, amount & duration (dates)  
 1). Musculoskeletal Transplant Foundation  
 R01 MTF-JH-01 AWARD. Bisphosphonate and Dye Impregnation of Large Structural Allografts  
 Awarded December, 2005 \$100,000

Percent Effort 8%

2). NIH

Dynamic Magnetic Resonance Imaging of Bone Tumors.

(co-investigator)

1 R01 CA104754-01A1

Funded 2004

% Effort 5%

3). Biocrystal Industrial Research Agreement,

Development of High Pressure Adapter for use with Opti-cell Cassettes for Cell Culture

(Principal investigator)

Funded 2002 – present, \$50,000.

% Effort 5%

4) NIH

Enhanced Therapeutic Response in Osteosarcoma Using an Artificial Lymphatic System

(Co-investigator)

Grant#RO1-CA7884494-01A1

Funded 1999 – 2003 - \$300,000.

% Effort 5%

5) Howmedica – Stryker

Evaluation of an accelerated loosening model using a canine cemented hip

(Principal Investigator)

2000-2003 \$200,000.

% Effort 5%

6) Orthopaedic Research and Education Foundation

Characterization of anti reabsorption drug - PMMA Cement

(Co-Principal Investigator)

1999-2001 - \$60,000.

% Effort 5%

7) Orthopaedic Research and Education Foundation

Functional and Structural Analysis of Genetic Alterations in Ewing's Sarcoma

(Co-Principal Investigator)

1994-1996 - \$90,000

% Effort 5%

8) NIH

Fluoride Exposure and Osteosarcoma

(Co-Investigator)

Grant#RO1-ES06000-01

Funded 1992 - \$200,000

% Effort - 5%

9) United States Department of Agriculture

Effects of Dietary Boron on Bone Structure and Function

Grant#58-82HW-M-65

1990 - \$35,000

% Effort 5%

10) American Cancer Society

Clinical Oncology Career Development Award, 1988 \$105,000.

% Effort 50%

11) NIH

A Randomized Trial of Salmon Calcitonin for the Prevention of Corticosteroid-Induced Osteoporosis

(Principal Investigator)

MAC Grant#5P60AR38520-05

Funded 1987 - \$125,000

% Effort 10%

12) NIH

Disorders of Collagen Synthesis in Familial Osteoporosis

(Co-Investigator)

Grant # AM-36087-02

Funded 1985 - \$150,000.

% Effort 5%

13) Orthopaedic Research and Education Foundation, Zimmer Award Research Grant

The Metabolic and Hormonal Regulation of Fracture Healing

Principal Investigator

1985 -1987 - \$90,000

% Effort 5%

14) NIH

Biochemistry and Orthopaedic Surgery, Hospital for Special Surgery

T32 Training Grant

1983-1984 - \$28,000

% Effort 50%

15) John Cobb Scoliosis Research Grant Hospital for Special Surgery Department

Funds for Scoliosis Research

Principal Investigator

1981-1982 - \$2500.

% Effort 5%

**Inventions:**

1) Healey Revision Acetabulum™	Biomet Corporation, Warsaw, IN	1991
2) Healey Hip Swivel™	Biomet Corporation, Warsaw, IN	1997
3) Apparatus and method for reducing interstitial fluid pressure and enhancing delivery of a therapeutic agent	US patent number 6,547,777	4/17/03
4) Apparatus and method for reducing interstitial fluid pressure and enhancing delivery of a therapeutic agent	Application number 10/372,435	
2/24/03		
5) Anti-resorptive bone cements and allogenic, autograft, and xenograft bone grafts		
Application number 09/890,116	11/20/01	
Australian patent number 776555	1/6/2005	
International application PCT/US00/03285	2/9/2000	
6) Apparatus for growing cells under variable hydrostatic pressures		
Application number 10/378,585	3/3/03	

**Scientific and Medical Societies:**

Academic Orthopaedic Society – 1990 - 2003  
Alpha Omega Alpha Medical Honor Society - 1978  
American Academy of Orthopaedic Surgeons - Fellow – 1988  
American College of Surgeons – 1988  
American College of Surgeons Oncology Group - 1999  
American Medical Association – 1976  
American Orthopaedic Association -- 2003  
American Society for Bone and Mineral Research - 1988  
Association of Bone and Joint Surgeons - 1993  
Eastern Orthopaedic Association - 1989  
International Skeletal Society - 1992  
International Society of Limb Salvage - 1989  
Musculoskeletal Tumor Society – 1986  
Musculoskeletal Tumor Society – Research Committee - 2006  
New York County Medical Society - 1984  
New York State Society of Surgeons - 1989

**Other Activities:****International:**

Ad hoc Grant Reviewer - National Cancer Institute (Canada), 1996 - 2000  
Italian Research Board, 1998 -2000

American Academy of Orthopaedic Surgeons - Committee on International Relations,  
1996-1999

American-Austrian Foundation - Salzburg Seminars Lecturer in Orthopaedic Surgery,  
1997 - Present

International Society of Limb Salvage - Board of Directors, 1993 - Present  
President, 1995-1998

World Scientific Publishing Co Pte Ltd, Life Sciences – Advisor, 1996

Japanese Orthopaedic Association - Reviewer, 2001 – Present

World Oncology Congress Advisory Board, 2004 - Present

**National:**

Academic Orthopaedic Society - Board of Directors, 2000 – 2003

American Academy of Orthopaedic Surgeons –  
Committee of Specialty Societies Quality of Life/ Outcomes Committee,  
Musculoskeletal Tumor Society Representative  
International Committee 1997 – 2000  
Research Development Committee 2006 – Present<sup>a8</sup>

American Board of Orthopaedic Surgery - Examination Field Test Committee, 2003-  
Present

American Orthopaedic Association - JOA Exchange Fellowship Committee, 2003-  
Present

Association of Bone and Joint Surgeons - Executive Committee, 2003 – Present  
Treasurer, elect, 2003, 2004 - Present

Eastern Orthopaedic Association - Board of Governors, 1997

Orthopaedic Research Education Foundation - Resident Grant Reviewer, 1994  
Outcomes Grant Reviewer, 1997 – 2003 Co-Chair, 1999 - 2000  
Research Grant Reviewer, 1998 Co-Chair, 2002 - 2003

Children's Oncology Group (ne: Cancer Study Group) 1986 – Present  
Co-Chairman Orthopaedics, 1995 – 2000

Clinical Orthopaedics and Related Research – Board of Trustees, 2003 - Present

Consultant Reviewer  
Annals of Surgical Oncology, 1993 - Present  
Biomed Central, 2003 - Present

Cancer, 1993 - Present  
Clinical Neurophysiology 2004- Present  
Clinical Orthopaedics and Related Research, 1993 - Present  
Journal of the American Academy of Orthopaedic Surgeons, 1992 - Present  
Journal of Bone and Joint Surgery (Am) 1990 - Present  
Journal Bone and Mineral Research, 2000 - Present  
Journal of Orthopaedic Research, 1993 – Present  
Journal of Orthopaedic Science, 1999 - Present  
Neoplasia, 2005 - Present  
Skeletal Radiology, 1995 – Present  
Tissue Antigens, 2005 - Present

Editorial Board Member

Annals of Surgical Oncology, 1993 - 2001  
Clinical Orthopaedics and Related Research 2005 - Present  
Journal of Bone and Joint Surgery, 2001 – Present  
Journal of Orthopaedic Science, 2002 – Present  
Journal of the American Academy of Orthopaedic Surgeons, 1992 -2000  
Skeletal Radiology, 1995-1998

Orthopaedic Research Society

Membership Committee, 1989-1992  
Program Committee, 1988 Reviewer 2005, 2006  
Treasurer, 1994-1998

Musculoskeletal Tumor Society, 1987- Present

Evidence Based Medicine Committee of AAOS, 2006-present  
Fellowship and Education Committee, 1991  
Quality of Life Committee, Chairman, 1995  
Research Committee, 2006 – present

Musculoskeletal Transplant Foundation, 2004-Present

Board of Directors 2004 --Present

National Osteoporosis Foundation, 1987

Paget's Disease Foundation, 1988

National Comprehensive Cancer Network – Bone Sarcoma Committee 1998 - Present

National Institutes of Health, National Cancer Institute

PDQ reviewer for Osteosarcoma and Malignant fibrous histiocytoma, 2006

Veteran's Administration –

Joint Biomedical Laboratory Research and Development, Clinical Science  
Research and Development Services.

Ad hoc grant reviewer, 1997-2000  
Merit Review Committee for Surgery, 2003 -2006

**Regional:**

Greater Metropolitan Bone Bank - Board of Advisors, 1988-2003  
New York Tissue Services - Board of Directors, 2003- Present

**Local:**

Advisor to Senior Class of 1990, 1994 - Orthopaedic Residents  
Hospital for Special Surgery, 2003-2005

Hospital for Special Surgery

Bone Bank Committee, 1985-1990  
Chairman - Medical Library Committee, 1988-1992  
Curriculum Committee, 1984-Present  
Graduate Medical Education Committee, 1991 – Present  
Operating Room Committee, 1989-1992  
Promotions Committee, 1999 – Present  
Transfusion Committee, 1990-1993

Memorial Sloan-Kettering Cancer Center

Blood Bank Committee, 2002 - Present  
Cost Containment Committee, 1993  
Director - Orthopaedic Oncology Fellowship Program, 1988- Present  
Graduate Medical Education Committee, 1997 - Present  
Institutional Review Board, 1996 - Present  
Operating Room Committee, 1991-1997  
Promotions Committee Department of Surgery, 2006-Present  
Quality of Life Committee, 1997-2000  
Surgery Executive Committee, 2006 – present  
Utilization Review Committee, 1986-1997

New York County Medical Society. Office of Professional Medical Conduct

**Publications:**

**Scientific Articles**

1. Healey JH, Dines D, Hershon S. Painful synovitis secondary to gout in the area of a prosthetic hip joint. A case report. *J Bone Joint Surg [Am]* 1984 Apr; 66(4): 610-11.
2. Lane JM, Healey JH, Schwartz E, Vigorita VJ, Schneider R, Einhorn TA, Suda M, Robbins W. Treatment of osteoporosis with sodium fluoride and calcium: Effects on vertebral fracture incidence and bone histomorphometry. *Orthop Clin N Am* 1984 Oct; 15(4): 729-45.
3. Healey JH, Glasser D, Lane JM. Mechanism of failure of allogenic bone transplants. *Surgical Forum* 1985; XXXVI: 527-8.
4. Healey JH, Lane JM, Erlandson RA, Bullough PG. Solid leukemic tumor: An uncommon presentation of a common disease. *Clin Orthop* 1985 Apr; 194: 248-51.
5. Healey JH, Vigorita VJ, Lane JM. The coexistence and characteristics of osteoarthritis and osteoporosis. *J Bone Joint Surg [Am]* 1985 Apr; 67(4): 586-92.
6. Lane JM, Healey JH, Bagby J. Osteoporosis: as a preventable nutritional disease. *J Clin Med & Nutrit* 1985 Apr.
7. Healey JH, Lane JM. Structural scoliosis in osteoporotic women. *Clin Orthop* 1985 May; 195: 216-23.
8. Healey JH, Kagen LJ, Velis KP, Levine DB. Creatine kinase-MB in skeletal muscle and serum of spine-fusion patients. *Clin Orthop* 1985 May; 195: 282-8.
9. Lane JM, Finerman GAM, Healey JH, Merkow RL, Vigorita VJ. Symposium: Management of patients with Paget's disease of bone. *Contemporary Orthop* 1986; 13(4): 79-118.
10. Healey JH, Ghelman B. Osteoid osteoma and osteoblastoma: Current concepts and recent advances. *Clin Orthop* 1986 Mar; 204: 76-85.
11. Healey JH, Lane JM. Chondrosarcoma. *Clin Orthop* 1986 Mar; 204: 119-29.
12. Lane JM, Werntz JR, Healey JH, Vigorita VJ. Metabolic bone disease and Paget's disease in the elderly. Part I: Metabolic bone disease. *Clin Rheum Dis* 1986 Apr; 12: 49-70.

13. Healey JH, Miedema B, Turnbull A, Lane JM. Acrometastases: A study of twenty nine patients with osseous involvement of the hands and feet. *J Bone Joint Surg [Am]* 1986 Jun; 68(5): 743-6.
14. Healey JH. Promoting successful bone allograft transplantation. *Complications in Orthop* 1986 Nov/Dec; 1(6): 152-62.
15. Lane JM, Glasser DB, Healey JH, Camissa FP, Jr., Gebhart MJ, McCormack RR, Jr. Limb salvage in bone sarcomas: Memorial Hospital experience. *New Devel in Med* 1987; 1(4): 17-31.
16. Shapiro JR, Rowe DW, Healey JH, Burn V. Familial osteoporosis: Pedigrees. *J Bone Miner Res* 1987; 2:1:344.
17. Gebhart MJ, Healey JH, McCormack RR, Lane JM, Otis JC. Modification of the skin incision for the Van Nes limb rotationplasty. *Clin Orthop* 1987 Mar; 216: 179-82.
18. Lane JM, Cornell CN, Healey JH. Osteoporosis: The structural and reparative consequences for the skeleton. *Instr Course Lect* 1987; 36: 71-83.
19. Farley FA, Healey JH, Caparros-Sison B, Goldbold J, Lane JM, Glasser DB. Lactate dehydrogenase as a tumor marker for recurrent disease in Ewing=s sarcoma. *Cancer* 1987 Apr; 59(7): 1245-8.
20. Shapiro JR, Burn V, Chipman SD, Healey JH, Tsipouras P, Velis KP. Osteoporosis and familial idiopathic scoliosis: Association with the synthesis of an abnormal alpha 2 (I) polypeptide. *J Bone Miner Res* 1988; 3: 212.
21. Marcove RC, Wolfe SW, Healey JH, Huvos AG, Boskey A, Fleisher M. Massive solitary tophus containing calcium pyrophosphate dihydrate crystals at the acromioclavicular joint. *Clin Orthop* 1988 Feb; 227: 305-9.
22. Lane JM, Healey JH, Bansal M, Levine B. Overview of geriatric osteopenic syndromes. Part I: Definition and pathophysiology. *Orthop Rev* 1988 Nov; 17(11): 1131-2, 1135-6, 1138-9.
23. Velis KP, Healey JH, Schneider R. Osteoporosis in unstable adult scoliosis. *Clin Orthop* 1988 Dec; 237: 132-41.
24. Lane JM, Healey JH, Bansal M, Levine B. Approaches to senior care #5. Overview of geriatric osteopenic syndromes. Part II: Clinical presentation, diagnosis, and treatment. *Orthop Rev* 1988 Dec; 17(12): 1231-6.
25. Juhn A, Healey JH, Ghelman B, Lane JM. Subacute osteomyelitis presenting as bone tumors. *Orthopedics* 1989 Feb; 12(2): 245-8.

26. Healey JH, Lane JM. Chordoma: A critical review of diagnosis and treatment. Orthop Clin North Am 1989 Jul; 20(3): 417-26.
27. Velis KP, Healey JH, Schneider R. Peak skeletal mass assessment in young adults with idiopathic scoliosis. Spine 1989 Jul; 14(7): 706-11.
28. Wolfe SW, Bansal M, Healey JH, Ghelman B. Computed tomographic evaluation of fatty neoplasms of the extremities. A clinical, radiographic, and histologic review of cases. Orthopedics 1989 Oct; 12(10): 1351-8.
29. Callaway GH, Healey JH. Surgical management of metastatic carcinoma. Curr Opin Orthop 1990; 1: 416-22.
30. Healey JH, Lane JM. Treatment of pathologic fractures of the distal femur with the Zickel supracondylar nail. Clin Orthop 1990 Jan; 250: 216-20.
31. LaQuaglia MP, Ghavimi F, Penenberg D, Mandell LR, Healey JH, Hadju SI, Exelby PR. Factors predictive of mortality in pediatric extremity rhabdomyosarcoma. J Pediatr Surg 1990 Feb; 25(2): 238-44; discussion 243-4.
32. Hu S, Healey JH, Huvos AG. Fibrous dysplasia of the second cervical vertebra: A case report. J Bone Joint Surg [Am] 1990 Jun; 72(5): 781-3.
33. Dwyer DM, Thorne AC, Healey JH, Bedford RF. Liquid nitrogen instillation can cause venous gas embolism. Anesthesiology 1990 Jul; 73(1): 179-81.
34. Healey JH, Zimmerman PA, McDonnell JM, Lane JM. Percutaneous bone marrow grafting of delayed union and nonunion in cancer patients. Clin Orthop 1990 Jul; 256: 280-5.
35. Brien EW, Salvati EA, Healey JH, Bansal M, Ghelman B, Betts F. Osteogenic sarcoma arising in the area of a total hip replacement: A case report. J Bone Joint Surg [Am] 1990 Aug; 72(7): 1097-9.
36. Koutcher JA, Ballon D, Graham M, Healey JH, Casper ES, Heelan R, Gerweck LE.  $^{31}\text{P}$  NMR spectra of extremity sarcomas: Diversity of metabolic profiles and changes in response to chemotherapy. Magn Reson Med 1990 Oct; 16(1): 19-34.
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14. Healey JH. Book Review. AFIP Atlas of Tumor Pathology Series 4. Tumors of the Bones and joints. By Unni KK, Inwards CY, Bridge JA, Kindblom L-G, Wold LE. ARP Press Silver Spring, MD 2005. *J Bone Joint Surgery(Am)* 2006 (in press)
15. Healey JH and Schwab JH. Patella impingement. *J of Bone Joint Surg (Am)* 2006 in press.

**Editor:**

1. Healey JH. (ed) Metabolic Bone Disease; in *Current Opinion in Orthopaedics*, Vol 7, No 5, October 1996.
2. Healey JH. (ed) Metabolic Bone Disease; in *Current Opinion in Orthopaedics*, Vol 8, No 5, October 1997.
3. Healey JH. (ed) Metabolic Bone Disease; in *Current Opinion in Orthopaedics*, Vol 9, No 5, October 1998.
4. Healey JH. (ed) Metabolic Bone Disease; in *Current Opinion in Orthopaedics*, Vol 10, No 5, October 1999.
5. Healey JH. (ed) Limb Salvage; in *Clinical Orthopaedics and Related Research*, Vol 358, January 1999.
6. Healey JH. (ed) General Considerations Regarding Musculoskeletal Tumors in Orthopaedic Knowledge Update Musculoskeletal Tumors, 3-68, 2002.

**ORTHOPAEDIC FELLOW GRADUATES**

2005 - 2006, Gary O'Toole, MD, Dublin, Ireland

2005 - 2006, Alexander Arkader MD, Childrens Hospital of Philadelphia

2004 - 2006, Joseph Schwab, M.D. Hospital for Special Surgery, NY

2003 - 2005, Jorge Casa-Ganem, M.D. University of Texas Medical Center Houston

2003 – 2005, Mark Manoso, MD United States Army Medical Center, Tacoma WA

2003 - 2004, Saminathan S. Nathan, MD National University Hospital Singapore

2001-2003, Bang Hoang, M.D. University of California at Irvine

2001 - 2002, John Kennedy, MD Hospital for Special Surgery  
1999 - 2001, Carol Morris, MD -Memorial Sloan-Kettering Cancer Center  
1999 - 2001, Holly Brown, MD -Cleveland Clinic, Florida  
1998 - 1999, Rex Marco, MD University of Texas Medical Center Houston  
1997 - 1998, Theresa Colosi, MD San Jose Medical Center  
1996 - 1998,Patrick Lin, MD M.D Anderson Medical Center  
1995 - 1996, Scott Wilson, MD Louisiana State University  
1994 -1995, Edward Athanasian, M.D. Memorial Sloan-Kettering Cancer Center  
1994 - Jay Wunder, M.D. Mt. Sinai Hospital - Canada  
1992 - 1993, Earl Brien, M.D. USC - Orthopaedic Hospital  
1991- 1993, Richard Terek, M.D. - Brown University  
1992 – 1993, Howard Rosenthal, M.D. University of Kansas  
1990 -- 1992, Alan Yasko, M.D. M.D. Anderson Hospital

**Orthopaedic Research Laboratory Mentor Summary  
1997 to 2006**

<b><u>Student Name</u></b>	<b><u>Program</u></b>	<b><u>Year(s)</u></b>	<b><u>Current Status</u></b>
Terri Zachos, DVM, PhD	NY Animal Med. Center – MS project	1997-1999	Veterinary Surgeon Michigan State University
Robert Simon, MD	1998 Med Student Fellow	Summer 1998	Medical Resident
Neil Seif, MD	1999 Med Student Fellow	Summer 1999	Medical Resident
Finton Shannon, MD, MCh	Irish Medical Fellow – MCh thesis	2000-2001	HSS Medical Fellow
Ron Margolis, MD	2000 Med Student Fellow	Summer 2000	Medical Resident
Anna Yevdokimova, MD	2001 Med Student Fellow	Summer 2001	Medical Resident
Chris Wyatt, MD	2002 Med Student Fellow	Summer 2002	Medical Resident
Patrick Hom, MD	Cornell Med Student	Summer 2002	Medical Resident
Milton Silva, MS	2003 Med Student Fellow	Summer 2003	Medical Resident
Folorunsho Edobor-Osula, MD	Cornell Med Student	Summer 2003	Medical School
Samantha Scanlon, MD	2004 Med Student Fellow	Summer 2004	Medical Resident
Judy Wang	2005 Med Student Fellow	Summer 2005	Medical Student
Justin Simmons	2006 Med Student Fellow	Summer 2006	Medical Student
Moshe Mizrahi	2006 Med Student Fellow	Summer 2006	Medical Student
Balaji Krishnan	2006 Med Student Fellow	Summer 2006	Medical Student
Edward Fox, MD	Orthopaedic Fellow	1999-2000	Practicing Orthopaedic Surgeon
Holly Brown, MD	Orthopaedic Fellow	2002-3	Practicing Orthopaedic Surgeon
Suresh Nathan, MD	Orthopaedic Fellow	2003-4	Practicing Orthopaedic Surgeon
Mark Manoso, MD	Orthopaedic Fellow	2004-5	Practicing Orthopaedic Surgeon
Jorge Casas Ganem, MD	Orthopaedic Fellow	2004-5	Practicing Orthopaedic Surgeon

<u>Student Name</u>	<u>Program</u>	<u>Year(s)</u>	<u>Current Status</u>
Wakenda Tyler, MD	HSS Orthopaedic Fellow	2006(ongoing)	Medical Resident
Syed Hussain, MS	Polytechnic Univ. MS Thesis Research	2005-6	Seeking Employment
Zeid Barak	College Student	Summer 2000	MBA graduate
Stephanie Greco	College student	Summer 2002 & 2003	Medical Student
Avi Rosenberg	College Student / Lab Tech	1999-2001	MD-PhD student
Julia Owen	Cooper Union BS Thesis Research	2003-4	PhD Graduate School
Heather Pirinea	College Student Volunteer	Summer 2006	College Student
Jonathan Miodownik	HS Student	Summer 2002	College Student
John McCallum	HS Student	Summer 2002	Medical Student
David Kennedy	HS Student	Summer 2002 & 2003	College Student
Maria Gorodnitsky	HS Student Volunteer	Summer 2003	College Student
Ashley Reda	HS Student Volunteer	Summer 1998	Student
Lauren Thompson	HS Student Volunteer	Summer 1999	Deceased

#### Research Fellows

Hirotaka Kawano	2004-2005	Assistant Professor University of Tokyo,
Zarko Nikolic, MD	1993-2006	Retired
Hiroo Mizobuchi, MD	4/2000 – 3/2001	Assist. Prof., Koshi University
Danilo Mellano, MD	2/2003 – 4/2003	Instructor, Universita Torino Italy
Christina Antonescu, MD MSKCC	1998 – 1999	Associate Professor, Pathology,
Sean Aiken, MD Center	9/1999 – 8/2000	Staff Veterinarian, Animal Medical
Andrea Piccioli, MD Italy	11/1995 – 12/1995	Orthopaedic Oncologist, CTO, Rome,
Yoshinari Goto, MD Hospital	08/2005 – 7/2006	Orthopaedic Research, Montefiore
Tadahiko Kubo Japan	3/2001 – 3/2002	Assistant Professor, Hiroshima Univ.

Ricardo Ferracini, MD	1/1996 – 12/1996	Orthopaedic Surgeon, Torino Italy
Bridget Hughes, MD	5/1997 – 4/1998	Orthopaedic Surgeon, Dublin Ireland
Akira Kawai, MD	4/1998 – 7/1998	Associate Professor, National Cancer Center, Tokyo, Japan
Junya Toguchida, MD	11/1998 – 11/1998	Associate Professor, Frontier Medical Center, Kyoto, Japan
Fintan Shannon, MD	1/2000 – 12/2000	Orthopaedic Fellow, Hospital for Special Surgery
Haresh Manglani, MB, BS	9/1998 – 2/1999	Orthopaedic Surgeon, Bombay, India
Joe Sparks, MD	1/1996 – 12/1996	Orthopaedic Surgeon, Ireland
Guo Wei, MD China	1/1997 – 12/1997	Professor, 2nd People Hospital Beijing,
Eizo Matsuda, MD	9/1993 – 8/31/1993	Orthopaedic Surgeon, Retired
Takafumi Ueda, MD	4/1995 – 10/1995	Associate Professor, Osaker University
Kohichirou Ihara, MD	12/1987 – 8/1988	Associate Professor, Yamaugchi University, Japan
Takashi Sugita, MD	8/1993 – 7/1994	Professor, Hiroshima University, Japan
Satoshi Abe, MD	10/1995 – 11/1995	Assistant Professor, Teikyo University, Tokyo Japan
Dae-Geun Jeon, MD	7/1996 – 12/1996	Assistant Professor, Korea Cancer Center to Seoul Korea
Andris Kreicbergs, MD	7/19/87 – 6/19/98	Professor and Chairman, Karolinska Hospital, Stockholm Sweden
Han soo Kim MD, PhD	7/2001 – 6/2002	Assistant Professor Catholic University Hospital, Seoul, Korea

**Professional Presentations:**

(\*\* = invited lecture)

The Treatment and Prevention of Osteoporotic Compression Fractures: American Association for Aging, Washington, DC. September, 1983.

Orthopaedic Aspects of Osteoporosis: Lane JM, Healey JH. NIH Consensus Conference on Osteoporosis. April, 1984.

\*\*The Diagnosis and Treatment of Osteoporosis: Affiliated Hospital Lecture Series - St. John=s Episcopal/Smithtown General Hospital. Smithtown, NY. February, 1985.

\*\*Treatment Options for Post-Menopausal Osteoporosis: Osteoporosis Current Concept Diagnosis and Treatment. Hahnemann University, Philadelphia, PA. May, 1985.

\*\*The Significance of Osteoporosis in Spinal Disease: New York Spine Club - Lenox Hill Hospital. New York, NY. May, 1985.

\*\*Preservation of the Human Frame: 16<sup>th</sup> Annual Meeting Eastern Orthopaedic Association. Boca Raton, FL. October, 1985.

\*\*The Outcome of Osteoporosis: Hip Fracture: Symposium – “The Diagnosis and Prevention of Osteoporosis in Clinical Practice.” Maui, HI. October, 1985.

\*\*Treatment of Pathological Fractures Around the Knee and Hip Joints: Orthopaedic Symposium - Veterans Administration. Northport, Long Island, NY. October, 1985.

\*\*Modern Treatment of Bone Tumors: American Society of Clinical Pathologists. New Orleans, LA. October, 1985.

\*\*Medical Aspects of Osteoporosis: Northeast Regional Meeting of the Arthritis Health Professions Associations. New York, NY. November, 1985.

\*\*Osteoporosis: Causes, Diagnosis and Treatment: Hahnemann University. Philadelphia, PA. January, 1986.

Hip Fracture Incidence in Sodium Fluoride Treated Osteoporotic Women: 32<sup>nd</sup> Annual Meeting Orthopaedic Research Society Meeting. New Orleans, LA. February, 1986.

Bone Involvement in Synovial Sarcoma: Healey JH. 53<sup>rd</sup> Annual Meeting American Academy of Orthopaedic Surgeons. New Orleans, LA. February, 1986.

Response to Preoperative Chemotherapy as a Prognostic Factor in Osteogenic Sarcoma:  
53<sup>rd</sup> Annual Meeting American Academy of Orthopaedic Surgeons. New Orleans, LA.  
February, 1986.

Adamantinoma: A Report from the New York Bone Tumor Study Group: 53<sup>rd</sup> Annual  
Meeting American Academy of Orthopaedic Surgeons. New Orleans, LA. February,  
1986.

\*\*Modern Treatment of Bone Tumors: American Society of Clinical Pathologists.  
Washington, DC. April, 1986.

\*\*Orthopaedic Aspects of Osteoporosis: 7<sup>th</sup> Ross Conference on Medical Research.  
Charleston, SC. April, 1986.

\*\*Modern Treatment of Bone Tumors: Hershey Continuing Education Center.  
Pennsylvania State University. Hershey, PA. May, 1986.

\*\*Osteoporosis: Preventable and Curable: Geriatric Conference. Sunny Brook  
Rehabilitation Hospital. Albany, NY. May, 1986.

\*\*Treatment of Osteoporosis: Spring Clinical Day. University of Buffalo Alumni  
Association. Buffalo, NY. May, 1986.

\*\*Osteoporosis: Scoliosis Club of Manhattan. New York, NY. June, 1986.

Osteoporosis in Unstable Adult Scoliosis: Scoliosis Research Society Meeting.  
Hamilton, Bermuda. September, 1986.

\*\*Diagnosis and Treatment of Bone Tumors: American Society of Clinical Pathologists  
Fall Meeting. Orlando, FL. September, 1986.

Aluminum (Al)-Associated Bone Disease in Chronic Hemodialysis Patients: IX  
International Conference on Calcium Regulating Hormones and Bone Metabolism. Nice,  
France. October, 1986.

\*\*Osteoporosis: The Fundamental of Diagnosis & Treatment: Annual Meeting American  
Osteopathic College of Rheumatology/American Osteopathic Association. New York,  
NY. May, 1987.

Management of Osteogenic Sarcoma: AOA Post-Conference Clinical Day. Hospital for  
Special Surgery, New York, NY. May, 1987.

Healing of Refractory Unicameral Cysts by Percutaneous Bone Marrow Grafting: Annual  
Meeting Musculoskeletal Tumor Society. Ontario, Canada. May, 1987.

\*\*Prostaglandin Mediation of Bone Regeneration: Orthopaedic Research Conference at The Karolinska Hospital. Stockholm, Sweden. September 24<sup>th</sup>, 1987.

\*\*Osteogenic Sarcoma: Treatment at Memorial Sloan-Kettering Cancer Center: Orthopaedic Grand Rounds at The Karolinska Hospital. Stockholm, Sweden. September 28<sup>th</sup>, 1987.

Limb Sparing Excision and Reconstruction for Periacetabular Malignant Tumors: 4<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Kyoto, Japan. October, 1987.

Kinesiologic Measurements in Patients with Various Limb Salvage or Amputation Procedures for Tumor Removal: 4<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Kyoto, Japan. October, 1987.

\*\*Clinical Diagnosis, Treatment and Prevention of Osteoporotic Fractures: Instructional Course #426. 55<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. Atlanta, GA. February, 1988.

Aging Muscles, Bones and Joints: Annual Health and Welfare Conference sponsored by the Allied Educational Foundation. Kiamesha Lake, NY. October, 1988.

Response to Fluoride Treatment in Osteoporotic Males: International Workshop on Fluoride and Bone. Niagara-on-the-Lake, Ontario, Canada. October, 1988.

\*\*Advances in Osteogenic Sarcoma Care: Annual Florida Association of Pediatric Tumor Programs, Inc. Tampa, FL. November, 1988.

\*\*Genetic Causes of Osteopenia: 10<sup>th</sup> Annual St. Luke=s Episcopal Hospital Orthopaedic Pathology Lectureship. Houston, TX. January 1989.

\*\*Genetic Conditions (Including Osteosclerotic Syndromes): 10<sup>th</sup> Annual St. Luke=s Episcopal Hospital Orthopaedic Pathology Lectureship. Houston, TX. January 1989.

\*\*Bone Morphogenetic Protein and Other Mediators: 10<sup>th</sup> Annual St. Luke=s Episcopal Hospital Orthopaedic Pathology Lectureship. Houston, TX. January 1989.

\*\*Metabolic Approaches to Growth Disturbances: 10<sup>th</sup> Annual St. Luke=s Episcopal Hospital Orthopaedic Pathology Lectureship. Houston, TX. January 1989.

Utility of Bone Scanning in Soft Tissue Sarcoma: 56<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. Las Vegas, NV. February, 1989.

\*\*Current Concepts in Osteoporosis: . Orthopaedic Surgery Grand Rounds. Lahey Clinic Medical Center. Burlington, MA. February, 1989.

Effect of Structure and Quality of Bone on Fracture Initiation: . XX European Symposium on Calcified Tissues. Jerusalem, Israel. March, 1989.

Prostaglandin E Increases Hexosamine Content in Early Fracture Callus: An Experimental Study in the Rat. XX European Symposium on Calcified Tissues. Jerusalem, Israel. March, 1989.

Concepts of Segmental Knee Replacement: Advanced Concepts in Hip, Knee and Shoulder Arthroplasty Symposium. New York, NY. March, 1989.

Giant Cell Tumors and Fibrous Tumors of Bone: The Course: A Review of Orthopaedics and Orthopaedic Pathology. Creighton University School of Medicine. Omaha, Nebraska. May, 1989.

Giant Cell Tumors of the Distal End of the Radius: 20<sup>th</sup> Annual Meeting Eastern Orthopaedic Association. Montreal, Quebec, Canada. October, 1989.

\*\*Advances in Tumor Staging and Imaging: Orthopaedic Grand Rounds, Charlotte Memorial Hospital & Medical Center. Charlotte, NC. January, 1990.

Giant Cell Tumors of the Distal End of the Radius: 57<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. New Orleans, LA. February, 1990.

<sup>31</sup>P NMR Spectra of Extremity Sarcomas: Diversity of Metabolic Profiles and Changes in Response to Chemotherapy: 12<sup>th</sup> Annual International Symposium Metabolic Bone Diseases and Bone Tumors. Center for Implant Surgery. Haifa, Israel. April, 1990.

Giant Cell Tumor of the Distal End of the Radius: 12<sup>th</sup> Annual International Symposium Metabolic Bone Diseases and Bone Tumors. Center for Implant Surgery. Haifa, Israel. April, 1990.

Diaphyseal Osteogenic Sarcoma: 12<sup>th</sup> Annual International Symposium Metabolic Bone Diseases and Bone Tumors. Center for Implant Surgery. Haifa, Israel. April, 1990.

Evaluation of Osteocalcin as a Serum Marker for Osteoporosis: 12<sup>th</sup> Annual International Symposium Metabolic Bone Diseases and Bone Tumors. Center for Implant Surgery. Haifa, Israel. April, 1990.

The Zickel Device and Bicentric Hemiarthroplasty in Pathologic Fractures of the Proximal Femur: Musculoskeletal Tumor Society Meeting. Chicago, IL. May, 1990.

<sup>31</sup>P NMR Spectra of Extremity Sarcomas: Diversity of Metabolic Profiles and Changes in Response to Chemotherapy: Musculoskeletal Tumor Society Meeting. Chicago, IL. May, 1990.

Giant Cell Tumors and Fibrous Tumors of Bone: A Review of Orthopaedics and Orthopaedic Pathology. Creighton University School of Medicine. Omaha, Nebraska. May/June, 1990.

Evaluation of Osteocalcin as a Serum Marker for Osteoporosis: 5<sup>th</sup> Annual Meeting American College of Clinical Gerontology, 20<sup>th</sup> Annual Meeting American Aging Association (AGE). New York, NY. October, 1990.

Adjuvant Cryosurgery for the Treatment of Benign and Low Grade Malignant Bone Tumors in 110 Consecutive Cases: 72<sup>nd</sup> Annual Meeting Alumni Association of the Hospital for Special Surgery. New York, NY. November, 1990.

\*\*Bone Grafting: Orthopaedic Grand Rounds. St. Vincent=s Hospital. New York, NY. December, 1990.

Medical Treatment of Benign Bone and Soft Tissue Tumors: AAOS Specialty Day - 58<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. Anaheim, CA. February, 1991.

Giant Cell Tumors and Fibrous Tumors of Bone: The Course: A Review of Orthopaedics and Orthopaedic Pathology. Creighton University School of Medicine. Omaha, Nebraska. May/June, 1991.

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Prosthetic Total Femur Replacement Following Massive Resection for Sarcoma: 6<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Montreal, Canada. September, 1991.

Outcome Analysis of Corpectomy Without Posterior Instrumentation: 6<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Montreal, Canada. September, 1991.

The Impact of Displaced Pathologic Fracture on the Local Treatment of Extremity Bone Sarcomas: 6<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Montreal, Canada. September, 1991.

Congenital Osteoporotic and Petrotic Syndromes: Jaffee Memorial Lectures in Bone & Orthopaedic Pathology. New York, NY. October, 1991.

Treatment of Malignant Bone Tumors: Jaffee Memorial Lectures in Bone & Orthopaedic Pathology. New York, NY. October, 1991.

Radiology of Bone Tumors: Jaffee Memorial Lectures in Bone & Orthopaedic Pathology. New York, NY. October, 1991.

Steroid Osteoporosis: Brooklyn Endocrine Club. Downstate Medical Center. Brooklyn, NY. October, 1991.

\*\*Orthopaedic Surgery: Management of Metastatic Tumors of the Skeleton: 1991 Clinical Congress - American College of Surgeons. Chicago, IL. October, 1991.

Displaced Versus Non-Displaced Fractures in Osteogenic Sarcoma: Impact on Local Treatment and Survival: 73<sup>rd</sup> Annual Meeting Alumni Association of The Hospital for Special Surgery. New York, NY. November, 1991.

Long-Term Evaluation of Segmental Prosthetic Replacement of the Proximal Femur for Sarcoma: 73<sup>rd</sup> Annual Meeting Alumni Association of The Hospital for Special Surgery. New York, NY. November, 1991.

Segmental Allograft Replacement in Tumor Reconstructive Surgery: Symposium Theory and Practice of Bone Transplantation. New York, NY. November, 1991.

\*\*Hip and Pelvic Reconstruction of Pathologic Fractures: Guest Lecturer at the Orthopaedic Staff Conference at Danbury Hospital. Danbury, CT. December, 1991.

\*\*Acetabular Reconstruction: Guest Lecturer at the Orthopaedic Staff Conference at Danbury Hospital. Danbury, CT. December, 1991.

Acetabular Reconstruction and Treatment of Pathologic Fractures of the Acetabulum: AAOS Specialty Day - 59<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. Washington, DC. February, 1992.

Amputation - AAOS Instructional Course Lectures: . 59<sup>th</sup> Annual Meeting American Academy of Orthopaedic Surgeons. Washington, DC. February, 1992.

\*\*Long-Term Cure Osteogenic Sarcoma - Part for the Course: Japanese Orthopaedic Association. Fukuoka, Japan. March, 1992.

\*\*Pathologic Fractures of the Pelvis: Association of English Speaking Unions Meeting. Toronto, Canada. September, 1992.

Comparison of Quantitative CT Densitometry Using Liquid Versus Solid Phantoms: 14<sup>th</sup> Annual Meeting American Society for Bone and Mineral Research. Minneapolis, MN. October, 1992.

Endosialin: A Vascular Endothelial Marker in Spindle Cell Sarcomas: 39<sup>th</sup> Annual Meeting Orthopaedic Research Society. San Francisco, CA. February, 1993.

The Effect of Dietary Boron and Magnesium on Bone Mechanics and Mineral Metabolism in the Rat: 39<sup>th</sup> Annual Meeting Orthopaedic Research Society. San Francisco, CA. February, 1993.

MYC Oncogene Alterations in Osteogenic Sarcoma: 39<sup>th</sup> Annual Meeting Orthopaedic Research Society. San Francisco, CA. February, 1993.

Long-Term Experience with Limb Salvage in Osteogenic Sarcoma: Annual International Skeletal Society Meeting. Toronto, Canada. August, 1993.

Long-Term Survival and Function after Surgery for Ewing=s Tumor of the Femur: 7<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Singapore. August, 1993.

MDM2 Gene Amplification: A Sign of Progression in Osteosarcoma: 7<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Singapore. August, 1993.

Amplification of the MYC Oncogene in Osteogenic Sarcoma: 7<sup>th</sup> International Symposium on Limb Salvage in Musculoskeletal Oncology. Singapore. August, 1993.

How Useful is DXA Compare Mode?: 15<sup>th</sup> Annual Meeting American Society for Bone and Mineral Research. Tampa, FL. September, 1993.

\*\*The Treatment of Osteogenic and Soft-Tissue Sarcoma: Kanazawa University. Kanazawa, Japan. October, 1994.

\*\*Modern Management of Bone and Soft-Tissue Sarcoma: The Memorial Sloan-Kettering Experience: Japan Society for Clinical Oncology. Okayama, Japan. October, 1994.

Clinicopathologic Staging for Soft-Tissue Sarcoma: A Comparison of Two Staging Systems: Wunder JS, Healey JH, Brennan MF. 63<sup>rd</sup> Annual Meeting American Academy of Orthopaedic Surgeons. February, 1996.

AAOS Outcomes Assessment: Musculoskeletal Tumor Society. Seattle, WA. May, 1996.

Quality of Life in Musculoskeletal Oncology: A Report of 207 Tumor Patients: Musculoskeletal Tumor Society. Seattle, WA. May, 1996.

Multiparameter Molecular Genetics Study of Osteogenic Sarcoma: Association of Bone & Joint Surgeons. Chatham, MA. May, 1996.

\*\*Osteogenic Sarcoma: Current Concepts: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*Chondrosarcoma: Diagnosis and Management: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*The Management of Soft Tissue Sarcoma: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*The Surgical Treatment of Giant Cell and Benign Aggressive Tumors: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*Surgery for Ewing=s Sarcoma: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*Custom Prostheses in Limb Salvage: Brazilian Association of Orthopaedics and Traumatology. Curitiba, Brazil. July, 1996.

\*\*Prognostic Factors in Osteogenic Sarcoma: 2<sup>nd</sup> Osteosarcoma Research Conference. Bologna, Italy. November, 1996.

MRI Assessment of Red Marrow and Sarcoma during Chemotherapy: 2<sup>nd</sup> Osteosarcoma Research Conference. Bologna, Italy. November, 1996.

\*\*Molecular Genetics in Osteogenic Sarcoma: 2<sup>nd</sup> Osteosarcoma Research Conference. Bologna, Italy. November, 1996.

Biopsy, Diagnosis and Evaluation of Bone Tumors: The American Austrian Foundation. Saltzberg, Austria. April, 1997.

Soft Tissue Sarcomas - Staging and Management: The American Austrian Foundation. Saltzberg, Austria. April, 1997.

Osteogenic Sarcoma Management Concepts: The American Austrian Foundation. Saltzberg, Austria. April, 1997.

\*\*Reconstructive Options After Tumor Excision: The University of Saltzberg, Austria. April, 1997.

\*\*Prosthetic Reconstruction Around the Knee after Tumor Resection: Grand Rounds, Mt. Sinai Hospital, New York. June 4, 1997.

\*\*Bone Tumors: Rheumatology Grand Rounds, Hospital for Special Surgery, New York. January, 1998.

\*\*Frontiers and Clinical and Molecular Staging of Sarcomas: Orthopaedic Grand Rounds, Rhode Island Hospital. Providence, Rhode Island. April 1, 1998.

\*\*Molecular Staging of Sarcoma: Plenary Lecture. Second Annual Meeting. Asia-Pacific Musculoskeletal Tumor Society. Seoul, Korea. June 18, 1998.

\*\*Knee Reconstruction after Resection of Tumors about the Knee: Plenary Lecture. Second Annual Meeting. Asia-Pacific Musculoskeletal Tumor Society. Seoul, Korea. June 18, 1998.

\*\*Diagnosis and Treatment of Ewing Sarcoma: The New Paradigm: Distinguished Guest Lecture. 31<sup>st</sup> Annual Meeting of the Japanese Orthopaedic Association - Japanese Musculoskeletal Tumor Society. Chiba, Japan. July 19, 1998.

\*\* Treatment of Ewing Sarcoma, State of the Art. Guest Lecture. The Brazilian Society of Pediatric Oncology. Guaruja, Sao Paulo, Brazil. August 21, 1998.

\*\* Treatment of Pediatric Osteosarcoma. Guest Lecture. The Brazilian Society of Pediatric Oncology. Guaruja, Sao Paulo, Brazil. August 21, 1998.

\*\* Reconstruction Problems and Solutions for Resection of Bone Sarcoma. Guest Lecturer. 17<sup>th</sup> International Cancer Congress Meeting. Rio de Janeiro, Brazil. August 23, 1998.

\*\* Management of Different Histologic Types of Metastases. Guest Lecturer. International Congress on Bone Metastases. Paris, France. September 14, 1998.

\*\* Excision of Metastatic Tumors. Guest Lecturer. International Congress on Bone Metastases. Paris, France. September 14, 1998.

Comparing Staging Systems in Extremity Sarcoma. Lecturer. Eastern Orthopaedic Association 29<sup>th</sup> Annual Meeting. Dorado, Puerto Rico. October 17, 1998.

Diagnosis and Staging of Bone and Soft Tissue Tumors. Lecturer. The American Austrian Foundation. Saltzberg, Austria. November 11, 1998.

Management of Osteosarcoma. Lecturer. The American Austrian Foundation. Saltzberg, Austria. November 11, 1998.

Treatment of Soft Tissue Sarcoma. Lecturer. The American Austrian Foundation. Saltzberg, Austria. November 11, 1998.

Amputation and Replantation for Humeral Sarcoma. International Society of Limb Salvage. Cairns, Australia. April 12, 1999.

Osteosarcoma: Enhancement of Local and Systemic Chemotherapy. Wesley Hospital. Brisbane, Australia. April 16, 1999.

Functional Outcome after Tumor Resection: Objective or Subjective? Scandinavian Sarcoma Group. Oslo, Norway. April 21, 1999.

Differential Transactivation by Alternative EWS-FLI1 Fusion Proteins Correlates with Clinical Heterogeneity in Ewing=s Sarcoma. 51<sup>st</sup> Annual Meeting Association of Bone and Joint Surgeons. Amelia Island, Florida. May 13, 1999.

Expression of HER2/ErbB-2 Correlates with Survival in Osteosarcoma. Musculoskeletal Tumor Society. Denver, Colorado. May 15, 1999.

\*\*The Clinical and Genetic Spectrum of Ewing Sarcoma. SCIACC Fellowship Lecture. Queensland Cancer Fund. Brisbane, Australia. August 24, 1999.

Outcome Measures in Osteosarcoma: Objective or Subjective? Orthopaedic Registrars. Brisbane, Australia. August 25, 1999.

\*\*Soft Tissue Sarcoma: Staging and Treatment. Queensland Radium Institute. Brisbane, Australia. August 26, 1999.

Acetabular Reconstruction in Cancer. Grand Rounds. The New York Hospital Medical Center of Queens, Queens, New York, September 1999.

Neoplasms of Bone and Joint. Grand Rounds. Rheumatology Grand Rounds. The Hospital for Special Surgery, September, 1999.

Limb Preserving Surgery for Bone and Soft Tissue Sarcoma. The Society of Surgeons of New Jersey, Elizabeth, New Jersey, November, 1999.

## 2000

\*\*Osteogenic Sarcoma Research and Relevance. Le Cocq Lecture. Harborview Hospital and Western Orthopaedic Society. Seattle, Washington. January 27, 2000.

\*\*Ewing Sarcoma: Diagnosis and Management. OREF Hark Lecture. University of Washington Swedish Medical Center. Seattle, Washington. January 28, 2000.

Intralesional Excision of Intramedullary Low Grade Chondrosarcoma of the Extremity. 67<sup>th</sup> Annual Meeting, American Academy of Orthopaedic Surgeons Meeting, Orlando, FL, March, 2000.

Functional Scintigraphy with Technetium-99m MIBI Does Not Correlate with Histologic Response to Induction Chemotherapy or Measures of P-Glycoprotein Expression in High Grade Sarcoma. Association of Bone and Joint Surgeons Meeting, San Antonio, TX, May 2000.

Quality of Life Measures in Patients with Skeletal Metastases. International Congress on Bone Metastases. Paris, France, June 2000.

Failure of Stage Circumferential Spondylectomy. Global Study Tumor Spinal Group Meeting. Monaco, September, 2000.

Prognostic Factors - Surgical Strategies. Global Study Tumor Spinal Group Meeting. Monaco, September 2000.

Failure of Stage Circumferential Spondylectomy. Global Study Tumor Spinal Group Meeting. Healey JH. Japan, September, 2000.

Prognostic Factors - Surgical Strategies. Global Study Tumor Spinal Group Meeting. Healey JH. Japan, September 2000.

The Basic Science of Sarcoma. Grand Rounds, Lenox Hill Hospital, New York, New York, October 2000.

Advances in our basic understanding of Sarcoma. Grand Rounds, Lenox Hill Hospital. New York, NY, October 2000.

Advances in Oncologic Diagnosis, Treatment and Reconstruction. Lecture. Long Island Jewish Hospital . New Hyde Park, NY. November 29, 2000.

## 2001

\*\* Molecular Based Treatment of Sarcoma. Orthopaedic Research Laboratory Meeting Lecture. University of Massachusetts, Worcester, MA. January 9, 2001.

\*\* Oncologic and Functional Outcome of Osteogenic Sarcoma. Grand Rounds, University of Massachusetts, Worcester, MA. January 10, 2001.

\*\* Progress in the Management of Osteosarcoma. Grand Rounds. St. Lukes/Roosevelt Hospital. New York, NY. February 15, 2001.

\*\*The Future of Limb Reconstruction in Children Treated for Sarcoma. Lecture. The 14<sup>th</sup> Forum of the Surgical Society of Musculoskeletal Sarcoma. Tokyo, Japan. March 3-4, 2001.

\*\*Diagnostic and Treatment Advances in Musculoskeletal Oncology. Department of Surgery Grand Rounds. Albert Einstein School of Medicine. Bronx, N.Y. March 26, 2001.

\*\*The Paradigm of Osteogenic Sarcoma. Orthopaedic Surgery Guest Lecture. Ohio State University. Columbus Ohio. April 13, 2001.

Surgical Treatment and Outcome of Acetabular Metastases . Association of Bone and Joint Surgeons 53<sup>rd</sup> annual meeting. New Orleans, LA. April 27, 2001.

Properties of a Dual Drug Cement after Prolonged Storage. Combined Orthopaedic Research Societies Meeting. Rhodes, Greece. June 1-3, 2001.

Hif-1 and VEGF are Expressed in Osteosarcoma. Combined Orthopaedic Research Societies Meeting. Rhodes, Greece. June 1-3, 2001.

\*\*The Tradition of Caring in Medicine and Orthopaedic Surgery. Healey JH. Graduation Address. Hospital For Special Surgery, Weill Medical College of Cornell University June 25, 2001.

## 2002

DiResta, GR, Aiken S, Brown H, Hohenhaus A, Bergman P, Rosenberg A, Healey JH. Effect of ALS Drainage and Carboplatin Infusion on Dog Osteosarcoma Pressure and Blood Flow. 48<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Dallas, TX February 2002.

\*\*Osteogenic Sarcoma: Long Term Results and Current Investigation. Post Graduate Review Course: Malignant Bone Tumors. National Cancer Institute Hospital. Rio de Janeiro Brazil. April 19, 2002.

\*\*Allografts and Nonconventional Reconstructions after Tumor Resection. Post Graduate Review Course: Malignant Bone Tumors. National Cancer Institute Hospital. Rio de Janeiro Brazil. April 19, 2002.

\*\*Prevention and Management of Common Problems in Limb Salvage Surgery. Post Graduate Review Course: Malignant Bone Tumors. National Cancer Institute Hospital. Rio de Janeiro Brazil. April 19, 2002.

\*\*Endoprostheses after Tumor Resection. Post Graduate Review Course: Malignant Bone Tumors. National Cancer Institute Hospital. Rio de Janeiro Brazil. April 20, 2002.

\*\*Intralesional Treatment of Chondrosarcoma. Post Graduate Review Course: Malignant Bone Tumors. National Cancer Institute Hospital. Rio de Janeiro Brazil. April 20, 2002.

\*\*Functional and Quality of Life Measures in Musculoskeletal Tumor Patients. Plenary Lecture in Outcomes Symposium. 75<sup>th</sup> Annual Meeting of the Japan Orthopaedic Association. Okayama, Japan. May 18, 2002.

\*\*Advances in Endoprosthetic Reconstruction for Tumor Limb Salvage. Invited Plenary Lecture #9. 75<sup>th</sup> Annual Meeting of the Japan Orthopaedic Association. Okayama, Japan. May 19, 2002.

\*\*Multidisciplinary Treatment of Osteosarcoma: The Memorial Sloan Kettering Experience. UICC International Cancer Symposium. Oslo, Norway. July 4, 2002.

\*\*Decision-Making in Metastatic Bone Disease in General and Periacetabular Disease in Particular. Musculoskeletal Tumor Meeting of the Japanese Orthopaedic Association. Yamaguchi, Japan. July 18, 2002.

\*\*Molecular Genetics of Osteosarcoma. SICOT/SIROT Meeting. San Diego, CA, USA. August 28, 2002.

\*\*The Biopsy: Should it Be Done by the Specialist or the Generalist? New York State Society of Orthopaedic Surgery Annual Symposium: Current Controversies in Orthopaedics. New York, N.Y. September 21, 2002.

## 2003

Platelet Derived Growth Factor Receptor as a Novel Molecular Target for Therapeutic Intervention Using STI 571 in Osteosarcoma. Kubo T, Gorlick R, Kim H-S, Huvos AH, Antonescu C, Healey JH. 28<sup>th</sup> Annual Meeting of the Orthopaedic Research Society. New Orleans, LA. February 2003.

Metachronous Skeletal Osteosarcoma in Patients Treated with Adjuvant and Neoadjuvant chemotherapy for Non-Metastatic Osteosarcoma. American Academy of Orthopaedic Surgeons 70<sup>th</sup> Annual Meeting. New Orleans, LA. February 6, 2003.

Second Malignant Neoplasms in Long-Term Survivors of Osteosarcoma: Memorial Sloan-Kettering Cancer Center Experience. American Academy of Orthopaedic Surgeons 70<sup>th</sup> Annual Meeting. New Orleans, LA. February 7, 2003.

Total pelvic Exenteration and Laterally Extended Endopelvic Resection with Sciatic Neuroplasty in a Patient with Recurrent Cervical Cancer. Surgical Gynecology Society Meeting. Anaheim, CA March 2003.

Better Prognosis in Osteogenic sarcoma Patients Whose Cancers Lack a Telomere Maintenance Mechanism. Musculoskeletal Tumor Society 2003 Annual Meeting. Chicago, IL May 2, 2003.

Canine Osteogenic Sarcoma Microvasculature Visualized Using Spalteholz Technique. Musculoskeletal Tumor Society 2003 Annual Meeting. Chicago, IL May 2, 2003.

Alloprosthetic Reconstruction of the Shoulder. Association of Bone and Joint Surgeons Annual Meeting. Paris, France. May 23, 2003.

\*\*Osteogenic Sarcoma: Past, Present, and Future. University of Virginia Orthopaedic Grand Rounds. Charlottesville, VA. May 28, 2003.

\*\*Osteogenic Sarcoma: Advances and Challenges. Medical College of Virginia. Richmond VA. October, 2003.

\*\*Sexual Differences in Musculoskeletal Oncology. Sex and Gender Differences in Orthopaedics. National Institutes of Health – American Academy of Orthopaedic Surgery Symposium. Bethesda, MD. November 2003.

## 2004

\*\*Ewing's Family Tumor: Clinical and Basic Science. Huntsman Cancer Center. University of Utah. Salt Lake City, UT, January, 2004.

Anti-resorptive bone cement. Biomet Focus Group. Vail, CO, January 2004

Wnt Signaling in Osteosarcoma: Potential Targets for Prevention of Tumor Metastases. Hoang BH, Kubo T, Sowers R, Yang R, Nathan SS, Kolb EA, Mazza B, Huvos AH, Meyers PA, Gorlick R, Healey JH. 29<sup>th</sup> Annual Meeting of the Orthopaedic Research Society. San Francisco, CA February, 2004.

Metastatic Soft Tissue Sarcoma to Bone: Morris, C, Simmons, K, Healey, JH, Brennan, M, Boland, P. American Academy of Orthopaedic Surgeons Meeting, San Francisco, CA March 10-14, 2004.

VII Reunion International Oncology Surgery. Surgical Techniques for Revision of Failed tumoral megaprosthesis. Visiting Professor. Barcelona, Spain. March 25, 2004.

VII Reunion International Oncology Surgery. Current Treatment and new therapies in Osteosarcoma. Visiting Professor, Barcelona, Spain. March 25 2004

Musculoskeletal Oncology Review. Moffitt Cancer Center and Research Institute. Visiting Professor. Musculoskeletal Tumor Staging in Surgery. Islamorada, Fl. April 30, 2004.

Musculoskeletal Oncology Review. Moffitt Cancer Center and Research Institute. Visiting Professor. Osteogenic sarcoma. Islamorada, Fl. April 30, 2004

Musculoskeletal Oncology Review. Moffitt Cancer Center and Research Institute. Visiting Professor. Bisphosphonates in Orthopaedics, Islamorada, Fl. April 30, 2004

\*\* Bisphosphonates in Orthopaedic Surgery. Visiting Professor, University of Vermont Research Day. Burlington, VT. June, 2004.

Prediction of Prognosis in Patients with Pathologic Fractures and Metastatic Cancer. American Orthopaedic Association. Boston, MA. June, 2004.

University of Vermont Research Day. Visiting Professor, Bisphosphonates in Oncology and Metabolic Disease. Burlington, VA, June 13, 2004.

University of California Irvine Medical Center. Visiting Professor, Osteogenic sarcoma. The Paradigm for oncology, Irvine, CA, July 22, 2004.

Hospital for Special Alumni Meeting. Secondary prevention of osteolysis with bisphosphonate cement. New York, NY. October 5, 2004

## **2005**

Advanced Techniques for Knee Reconstructions. Grand Grounds – Visiting Professor . Lenox Hills Hospital, NY, NY. January 2005.

Acetabular development following hemiarthroplasty in the child. Manoso M, Healey J, Boland P, Morris C. American Academy of Orthopaedic Surgeons. Washington , DC, February 25, 2005.

Osteosarcoma in the Nineties An epidemiologic assessment of management and outcome in the United States. Nathan SS, Morris C, Athanasian E, Boland P, Healey J. American Academy of Orthopaedic Surgeons. Washington , DC, February 25, 2005.

The modern staging and management of bone sarcoma. Visiting Professor. First People's Hospital. Peking University, Beijing, China June 2005.

Systems biology of sarcoma. Visiting Professor. First People's Hospital. Peking University, China June 2005.

Bone Metastases. What are the options? Invited plenary lecture. World Oncology Congress. November 18, 2005. New York, New York

## **2006**

Challenges and progress in the diagnosis and management of bone metastases. Key Note Lecture. Club for the Study of Bone Metastases. Rome, Italy September 16, 2006.

Compress Knee Replacement: Novel Method of Prosthetic Fixation. Notre Dame Orthopaedic Society. South Bend, IN October 6, 2006

Advances in the Treatment of Bone Sarcoma. Plenary lecture. Oncology Congress. New York , N.Y. October 20, 2006

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_